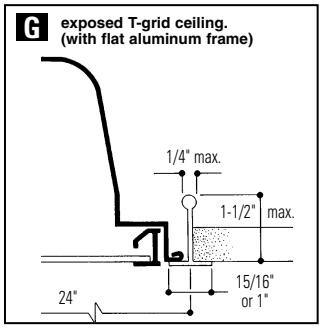
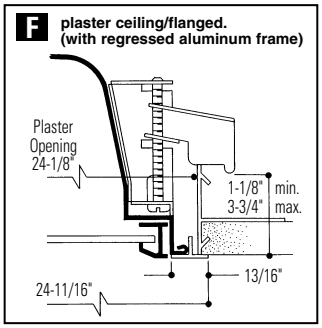
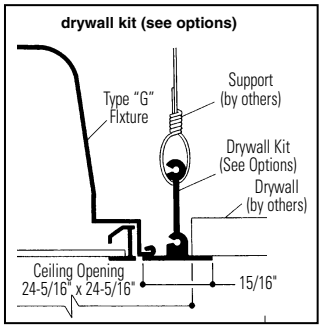
Features

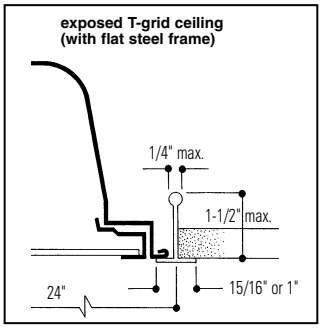
- 5" deep body.
- 3-1/16" lamp to lens for better lamp obscuration.
- 71.6% efficient.
- Clean contoured interior, no holes.
- Hemmed over side rails for maximum safety.
- Fixture ends turned-in for safe handling.
- Built-in earthquake clips (patent no. 5,072,344).
- Slimline door frame with 475 square inch lens opening.
- Door jamb finished black on four sides for positive light stop.
- True mitered corner steel lens frame.
- Spring loaded rooster head latches.
- 18 gauge steel hinges.
- Flat and regressed aluminum doors available.
- Construction to meet Chicago Plenum requirements is available.

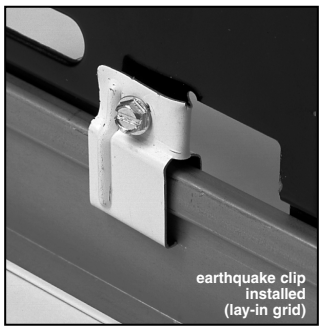
MOUNTING METHODS



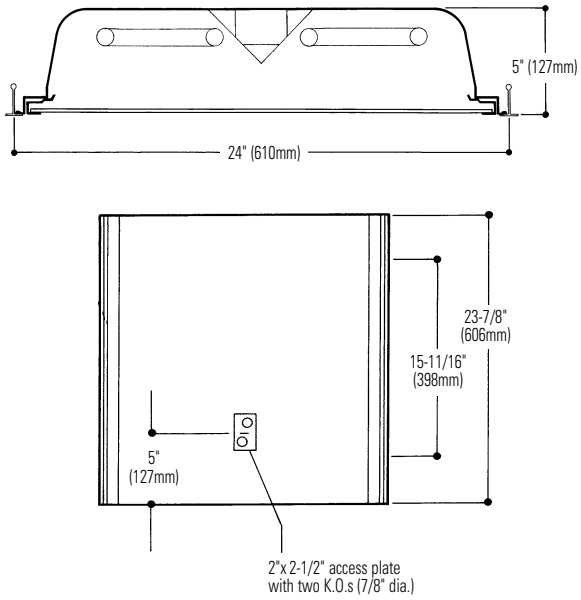








DIMENSIONS



Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Volts/Ballast:	

Lightolier a Genlyte Thomas Company www.lightolier.com
Technical Information: (978) 657-7600 • Fax (978) 658-0595
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
We reserve the right to change details of design, materials and finish.
© 2002 Genlyte Thomas Group LLC (Lightolier Division)

LIGHTOLIER®

PHOTOMETRY

MODEL NO. SPS2GFSVA26U

Luminaire Efficacy Rating
LER-58.6 Watts-56.3 BF-0.87

GTL TESTING LABORATORY

45 Industrial Way
Wilmington, MA 01887
(978) 657-7600

REPORT NO.: G00035 DATE: 02-28-2000
CATALOG NO.: SPS2GFSVA26U120SO
LAMP(S): 2 T8 U6, EACH RATED 2750 LUMENS.
LUMINAIRE: NEW 2X2 TROFFER WITH FS FRAME AND VA LENS
0.47 AMPS 56.3 WATTS

CANDELA DISTRIBUTION FLUX

	0.0	22.5	45.0	67.5	90.0	
0	1669	1669	1669	1669	1669	
5	1659	1659	1658	1661	1661	158
15	1578	1583	1593	1608	1614	451
25	1431	1441	1464	1489	1502	675
35	1212	1224	1249	1286	1309	785
45	913	925	960	1028	1068	750
55	572	576	611	646	673	551
65	318	300	302	337	342	319
75	160	157	146	185	192	178
85	58	60	62	77	78	70
90	0	0	0	0	0	

ZONAL LUMEN SUMMARY

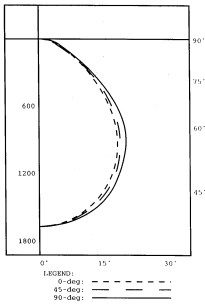
ZONE	LUMENS	%LAMP	%FIXT
0- 30	1283	23.3	32.6
0- 40	2069	37.6	52.6
0- 60	3369	61.3	85.6
0- 90	3936	71.6	100.0
90-180	0	0.0	0.0
0-180	3936	71.6	100.0

TOTAL LUMINAIRE EFFICIENCY = 71.6 %
TOTAL REFLECTANCE OF PAINT = 90.0 %
CIE TYPE - DIRECT

PLANE	: 0-DEG	90-DEG
SPACING CRITERIA	: 1.2	1.3
SHIELDING ANGLES	: 90	90
PLANE	: 0-DEG	90-DEG
LUMINOUS LENGTH	:21.840	21.840

LUMINANCE DATA IN CANDELA/SQ M

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
45	4194.	4410.	4906.
55	3239.	3460.	3811.
65	2444.	2321.	2629.
75	2008.	1832.	2410.
85	2162.	2311.	2907.



THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCECURES • FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

coefficients of utilization — zonal cavity method (effective floor cavity reflectance 0.20)

RF		20			20			20		
RC		80			50			30		
RW	70	50	30	50	30	10	50	30	10	
room cavity ratio 1	79	75	73	71	69	67	68	66	65	
2	72	67	62	63	59	56	61	58	55	
3	66	59	54	56	52	48	54	51	47	
4	61	53	47	50	46	42	49	45	41	
5	56	48	42	45	40	37	44	40	36	
6	52	43	37	41	36	32	40	36	32	
7	49	39	33	38	33	29	37	32	29	
8	45	36	30	35	30	26	34	29	26	
9	42	33	28	32	27	24	31	27	23	
10	40	31	25	30	25	21	29	25	21	

visual comfort probability (rated lumens per lamp 3150.)

room size			ceiling height					ceiling height			
W	L		8.5	10.0	13.0	16.0		8.5	10.0	13.0	16.0
20	20	luminaries lengthwise	56	60	66	73	luminaries crosswise	53	57	63	70
20	30		50	53	57	63		46	50	54	60
20	40		47	49	53	57		42	45	49	53
20	60		43	46	49	52		38	41	44	48
30	20		58	61	66	72		56	60	63	69
30	30		51	54	57	62		48	51	54	59
30	40		47	49	52	55		43	46	49	52
30	60		43	46	47	50		38	41	43	47
30	60		42	44	45	48		36	39	40	44
40	20		59	63	67	71		58	62	65	70
40	30		52	55	58	62		50	53	56	60
40	40		48	50	52	55		44	47	50	53
40	60		44	46	48	50		39	42	44	47
40	80		42	44	44	47		37	39	40	43
40	100		42	43	43	45		36	38	38	41
60	30		53	56	59	63		51	55	57	61
60	40		48	51	53	56		46	49	51	54
60	60		44	47	48	50		40	43	44	48
60	80		42	44	44	47		38	40	40	43
60	100		42	43	42	45		37	38	38	41
100	40		51	53	55	58		49	52	54	57
100	60		47	49	49	52		44	46	47	50
100	80		44	46	46	48		41	42	43	46
100	100		43	44	43	46		39	40	40	41

ORDERING INFORMATION

Explanation of Catalog Number. Example: SPS2GFSVA26U120SORF

SP	S	2			VA	2	6U			

SPECPLUS: Recessed fluorescent troffer

STATIC

FIXTURE WIDTH

CEILING TYPE:
G= Grid (lay-in T bar)
F=Flanged (overlap) Z spline and plaster frame

LENS FRAME:
FS= Flat steel frame
RA=Regressed aluminum frame
FA=Flat aluminum frame

LENS/SHIELDING TYPE:
VA (virgin acrylic) standard (see options and consult factory)

LAMP QUANTITY

LAMP/ FIXTURE LENGTH:
6"U Lamp T8 or T12 (Nominal 24")

VOLTAGE:
120 or 277

BALLAST TYPE:

	LE		
	<20THD	<10THD	
1-2 Lamp Mag. T12	**SO***	**HI***	
1-2 Lamp Elec. T8 LOL T8 Dimming	**PS**	–	

***Instant Start Standard**

Other dimming options. Consult factory.

OPTIONS:
Add appropriate suffix to catalog no., ie: (GLR)

OPTIONS/ACCESSORIES

SPECIAL LENSES: Substitute **VB** for **VA** (standard) = .125" nominal pattern 12 with 7.8 oz. average weight per square foot. Substitute **VI** for **VA** (standard) = .125" nominal pattern 12 with 6.8 oz. average weight per square foot.
PLASTER FRAME: Catalog Number **PF22** .
CONTINUOUS ROW INSTALLATION: For F type fixtures, half width flanges are required between fixtures. Order Catalog Number: **S2FCTRIM** (each joint).
RADIO INTERFERENCE FILTER 120 or 277 volt, 50 or 60 Hz. One per fixture is standard. SUFFIX: **RF**.
FUSING: Internal fast-blow fusing. SUFFIX: **GLR**. Internal slow-blow fusing. SUFFIX: **GMF**.
ELECTRICAL/WIRING OPTIONS: Consult factory.
DRYWALL KIT: Order Catalog Number: **FK92X2**. Request Folio OA30-10.
CHICAGO PLENUM: SUFFIX: **CP**.

SPECIFICATIONS

PERFORMANCE: In an installation of 2 lamp 31W luminaires in a room cavity ratio of 1, reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .75. To prevent glare the VCP shall be not less than 40 either lengthwise or crosswise (at 100fc level) and the average brightness at 65° shall not exceed 2629 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 67.4%.

SPECIFICATIONS (continued)

MATERIALS: Chassis parts are die-formed code gauge cold rolled steel. **Housing** with side rails hemmed over and housing ends turned-in for safe handling.
FINISH: Chassis exterior—black baked polyester enamel. **Cavity**—white baked polyester enamel minimum 86% reflectance. Phosphate undercoating.
LENSES: VA (standard) extruded virgin acrylic, 3/16" square based female cones, running 45° to the panel edge, .095" nominal thickness (similar to pattern 12). VB (optional) .125" nominal pattern 12 with 7.8 oz. average weight per square foot. VI (optional) .125" nominal pattern 12 with 6.8 oz. average weight per square foot.
ELECTRICAL: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.
LABELS: I.B.E.W./UL and C-UL.

Job Information **Type:**

Lightolier a Genlyte Thomas Company www.lightolier.com
Technical Information: (978) 657-7600 • Fax (978) 658-0595
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
We reserve the right to change details of design, materials and finish.
© 2002 Genlyte Thomas Group LLC (Lightolier Division)

LIGHTOLIER®